U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10595757 Filing Date 2006-05-09 First Named Inventor Masuda Masahisa Art Unit 2614 Examiner Name Alexander Jamal Attorney Docket Number 5869-0048

	U.S.PATENTS								
Examiner Initial*	r Cite No Patent Number		Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			
	1	4972491	777	1990-11-00	Wilcox				
	2	5899973	minute about 1 to a second a minute	1999-05-04	Bandara et al.				
	3	5824966		1998-10-20	Leight				
	4	5118309		1992-06-02	Ford				
	5	5099519		1992-03-24	Guan				
	6	4837829		1989-06-06	Lobb				
	7	4668842		1987-05-26	Yokoyama et al.				
	8	4644330		1987-02-17	Dowling				

Application Number		10595757		
Filing Date		2006-05-09		
First Named Inventor	Masu	auda Masahisa		
Art Unit		2614		
Examiner Name	Alexa	nder Jamal		
Attorney Docket Numb	er	5869-0048		

9)	4403120	1983-09-06	Yoshimi	
1	10	4280018	1981-07-21	Lazarus et al.	
1	11	3781492	1973-12-00	Cragg et al.	
1	12	3829624	1974-08-00	Goodin et al.	
1	13	5104824	2000-08-00	łto	
1	14	5172410	1992-12-00	Chace	
1	15	5287406	1994-02-00	Kakuishi	
1	16	5715309	1998-02-00	Bartkowiak	
1	7	5311144	1993-08-00	Grasset	
1	8	5235637	1993-08-00	Kraz et al.	
1	9	4691313	1987-09-00	lwata .	

Application Number		10595757	
Filing Date		2006-05-09	······································
First Named Inventor	Mas	suda Masahisa	
Art Unit	····	2614	
Examiner Name	Alex	kander Jamal	
Attorney Docket Num	oer	5869-0048	

20	0 4	4065646		1977-12-00	Schuh	
21	1	5393989		1995-02-00	Gempe et al.	
22	ſ	5465298		1995-11-00	Wilkison et al.	
23	3	3114105		1963-12-00	Neumiller	
24	4 ;	3370236	ACCOMPANY OF	1968-02-00	Walker	
25	5 4	4002860	70.00	1977-01-00	Terai et al.	
26	6 4	4052562		1977-10-00	Anderson	
27	7 2	4 598396		1986-07-00	Upp et al.	
28	3 4	4629829	7,000	1986-12-00	Puhl et al.	
29) 4	1741018		1988-04-00	Potraz et al.	
30) 4	1912758		1990-03-00	Arbei	

Application Number		10595757	***************************************	
Filing Date		2006-05-09		
First Named Inventor	Masu	uda Masahisa		
Art Unit		2614		
Examiner Name	Alexa	nder Jamal		
Attorney Docket Numb	er	5869-0048		

,		Y		
	31	5007046	1991-04-00	Erving et al
	32	5115471	1992-05-00	Liden
	33	5168522	1992-12-00	Simanis et al.
	34	5265264	1993-11-00	Dzunt et al.
	35	5379450	1995-01-00	Hirasawa et al.
	36	5471666	1995-11-00	Sugiyama et al.
	37	5586193	1996-12-00	Ichise et al.
0.000	38	6175633	2001-01-00	Morrill et al.
	39	5692059	1997-11-00	Kruger, Fredrick M.
A-Parameter of the Control of the Co	40	4833719	1981-07-00	Carme et al.
	41	4156800	1979-05-00	Sear

Application Number		10595757		
Filing Date		2006-05-09		
First Named Inventor	Masu	da Masahisa		
Art Unit	'	2614		
Examiner Name	Alexa	nder Jamal		
Attorney Docket Numb	er	5869-0048		

F				y		
	42	4966045		1987-09-00	Rosenthal	
	43	5335286	The state of the s	1994-08-00	Carlson et al.	
	44	1224331		1917-05-00	Smith	
	45	6105714		2000-08-00	Lindgren	
	46	5265264	A TOTAL PROPERTY AND A TOTAL P	1993-11-00	Dzunt, et al.	
	47	5410595		1995-04-00	Park et al.	
	48	2955140	A Landau Managaman Managam	1976-05-00	Stephens et al.	
	49	4470127		1984-09-00	Thompson, E. Earle	
	50	4519029		1985-05-00	Thompson, E. Earle	
If you wisi	h to a	dd additional U.S. Paten	t citatio	n information pl	ease click the Add button.	100000000000000000000000000000000000000
			U.S.P	ATENT APPLI	CATION PUBLICATIONS	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear

Application Number		10595757
Filing Date		2006-05-09
First Named Inventor	Masu	da Masahisa
Art Unit		2614
Examiner Name	Alexa	nder Jamal
Attorney Docket Numb	er	5869-0048

	1	20030134600		2003-07-00		Picone et al.				
If you wish to add additional U.S. Published Application citation information please click the Add button.										
FOREIGN PATENT DOCUMENTS										
Examiner Initial*	Cite No	Foreign Document Number³	Country Code ² i		Kind Code4	Publication Date	Name of Patentee Applicant of cited Document	Pages,Columns where Relevant Passages or Re Figures Appear	t elevant	
	1	032833	JP ·		AND WASHINGTON	1981-04-00	Sugiyama			
	2	2755561	FR			1998-05-07	Neili			
	3	WO 97/27721	wo			1997-07-31	Makkonen			
	4	WO 98/45937	wo			1998-10-15	Morrill			
	5	2001060895	JP			1999-08-20	Hikima Hideo			
If you wish	n to ac	ld additional Foreign F	atent Do	cument c	citation	information p	lease click the Add	button	,	
NON-PATENT LITERATURE DOCUMENTS										
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.							1	
	1	Sedra et al., "Microelec	tronic Circ	સits," July	1990, s	second edition,	page 143.			

Application Number		10595757	
Filing Date		2006-05-09	
First Named Inventor	Mas	uda Masahisa	
Art Unit		2614	414
Examiner Name Alex		ander Jamal	
Attorney Docket Numi	oer	5869-0048	

	_		
	2	Frank Kasparec, St. Poelten, Austria, "Bilateral Speaker Networks Form Switchless Intercom, Electronics, Vol 53 page 131, July 3, 1980.	
		Compander IC (Noise Reduction System): TK 19651M; L. D. TakyeSemicenductor; Ostalog No. Z 1480118E.	 0000000000
	4	D5004 Cellular Telephone Echo Control Device, DSP Group, Inc. Jan. 1991, Rev. 2.0.	
	5	Telephone Coupling Transformer, Mouser Electronics, Feb. 16 1995.	
000000000000000000000000000000000000000	000000000000000000000000000000000000000	Audio Transformers Telephone Coupling, Megne Teir, 90 East Union Street, Goodland, IN 17048	00000000000
 000000000000000000000000000000000000000	7	Engineering Bulletin, Magnekek Goodland, pp. 2-3.	0000000000
 000000000000000000000000000000000000000	8	Low Voltage Compander, Specification and Applications Information, Motorola Semiconductors, MC33110.	0000000000
 000000000000000000000000000000000000000	9	LA8632M Case Outline: MEP-24S(300mil) Plastic Package	0000000000
	10	Written Opinion of the International Searching Authority for PCT/US04/37409; Date of mailing August 29, 2005; ISA/US	
	11	International Search Report for PCT/US97/22887; Date of mailing Jan. 4, 1999; ISA/US.	
	12	International Search Report for PCT/US01/22121; Date of mailing Nov. 11, 2002; ISA/EPO.	

*Wad-1				
Application Number		10595757 2006-05-09		
Filing Date				
First Named Inventor Masu		ıda Masahisa		
Art Unit		2614		
Examiner Name	Alexa	ander Jamal		
Attorney Docket Number		5869-0048		

·····							
***************************************	13	International Preliminary Examination Report for PCT/US01/22121; [Date of completion of repo	rt June 6, 2003.			
	14	International Search Report for PCT/US97/22887; Date of mailing Jan. 4, 1999; ISA/US.					
	15	International Search Report for PCT/US02/33799; Date of mailing Jan. 24, 2003; ISA/EPO.					
	16	International Search Report for PCT/US04/37409; Date of mailing Au	ıg. 29, 2005; ISA/US.				
	17	International Preliminary Report on Patentability for PCT/US04/3740/IPEA/US.	9; Date of completion of re	eport May 11, 2006;			
	18	Stolowitz Ford Cowger Listing of Related Cases, September 2, 2009.					
	19	Anderson, Hagood; "Simultaneous Piezoelectric Sensing Actuation Ltd., London, Engl., vol 174, no. 5; pg 617-639.	."; J SOUND VIB.; July 28	s, 1994; Academic Press			
	20 International Search Report for PCT/US09/38126; Date of mailing July 22, 2009; ISA/US.						
	21	Written Opinion of the International Searching Authority for PCT/US0	9/38126; Date of malling	July 22, 2009; ISA/US.			
If you wish to add additional non-patent literature document citation information please click the Add button							
EXAMINER SIGNATURE							
Examiner Signature /Alexander Jamal/ Date Considered 09/21/2010							
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

(Not for submission under 37 CFR 1.99)

Application Number		10595757
Filing Date		2006-05-09
First Named Inventor Masu		da Masahisa
Art Unit		2614
Examiner Name	Alexa	nder Jamai
Attorney Docket Numb	er	5869-0048

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.